Bruhath Bangalore Mahanagara Palike

Negotiated Financial Bid Comparative Statement

Tender Notification No. RRND/EE/Tend/21/2019-20, Date: 04.03.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40910

Name of Work: Comprehensive Development of Roads, Drains, Special repairs to buildings and other works in Sunnadagoodu, Ambedkarnagar, Mohan Kumar nagar, Poornapura, Ramabhovi Colony, Jalahalli Harijana, Siddarthanagar, Khathanagar, Ashrayanagar, Karadigudi, Peenya 4th block A K Colony and Surrounding areas of Slums in R R Nagar Constituency under PACKAGE- 2019-20 RRN-DIV-(13).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.)		As per PWD SR 2018-19 and Issue Rate Dated: 01.07.2020		Rates quoted by NAGINENI MUNISWAMYNAIDU KRISHNAMURTHY		Negotiated rates quoted by NAGINENI MUNISWAMYNAIDU KRISHNAMURTHY	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand	Nos	12.00	3768.00	45216.00	3768.00	45216.00	4113.90	49366.80	3955.00	47460.00
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	347.00	208200.00	347.00	208200.00	378.85	227310.00	364.00	218400.00
3	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	442.00	265200.00	442.00	265200.00	482.58	289548.00	464.00	278400.00
4	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata, including over burden upto 20 M fixing of	Rmtr	600.00	456.00	273600.00	456.00	273600.00	497.86	298716.00	479.00	287400.00
5	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	536.00	321600.00	536.00	321600.00	585.20	351120.00	563.00	337800.00
6	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	634.00	380400.00	634.00	380400.00	692.20	415320.00	665.00	399000.00
7	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	700.00	420000.00	700.00	420000.00	764.26	458556.00	735.00	441000.00
8	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	825.00	495000.00	825.00	495000.00	900.74	540444.00	866.00	519600.00
9	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata	Rmtr	600.00	900.00	540000.00	900.00	540000.00	982.62	589572.00	945.00	567000.00
	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 300 PSIG	Rmtr	240.00		270960.00		00	1232.64		1185.00	284400.00

supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working

Rmtr 464.00 Rupees Four Hundred Sixty

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11	Providing and fixing 250mm dia PVC (casing pipe) As Per Direction of Engineer Incharge	Rmtr	144.00	2600.00	374400.00	2600.00	374400.00	2838.68	408769.92	2729.00	392976.00
12	Supply of ISI Mark 175mm nominal Bore, Plain end steel casing Pipe-grade of steel Fee 4100	Rmtr	600.00	1325.00	795000.00	1325.00	795000.00	1446.64	867984.00	1391.00	834600.00
13	Providing 175mm Dia M.S. CollarAs Per Direction of Engineer Incharge	Nos	100.00	150.00	15000.00	150.00	15000.00	163.77	16377.00	157.00	15700.00
14	Providing 175mm dia Bore Cap CE (M) (As Per Direction of Engineer Incharge	Nos	12.00	100.00	1200.00	100.00	1200.00	109.18	1310.16	105.00	1260.00
15	Atalanta suguna CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5 KV (20 stage) As Per Direction of Engineer Incharge	Nos	12.00	49955.00	599460.00	49955.00	599460.00	54540.87	654490.44	52428.00	629136.00
16	Providing and fixing in trenches galvinised/mild steel tube 50mm dia nominal bore with all fittings (earth work in trenches to be measured	Rmtr	4440.00	411.28	1826083.20	411.28	1826083.20	449.04	1993737.60	432.00	1918080.00
17	Supplying and drawing 3 core flat PVC sheathed submersible pump cable maufactured with electrolytic grade copper with	Rmtr	9000.00	126.70	1140300.00	126.70	1140300.00	138.33	1244970.00	133.00	1197000.00
18	Providing and fixing in position 50mm Nominal bore non-return valve vertical type of approved make including cost of all materials,labour and	Nos	12.00	1345.14	16141.68	1345.14	16141.68	1468.62	17623.44	1412.00	16944.00
19	Spplying and fixing 50mm GI Union.As Per Direction of Engineer Incharge	Nos	12.00	223.70	2684.40	223.70	2684.40	244.24	2930.88	235.00	2820.00
20	Spplying and fixing 50mm GI Elbow.As Per Direction of Engineer Incharge	Nos	12.00	111.80	1341.60	111.80	1341.60	122.06	1464.72	117.00	1404.00
21	Spplying and fixing 50mm GI Nipple.As Per Direction of Engineer Incharge	Nos	12.00	104.30	1251.60	104.30	1251.60	113.87	1366.44	109.00	1308.00
22	Spplying and fixing 50mm GI Hose colleresAs Per Direction of Engineer Incharge	Nos	744.00	103.00	76632.00	103.00	76632.00	112.46	83670.24	108.00	80352.00
23	Supplying and fixing 20" x 20" x 2.5" polished wood board made of not less than 15mm thick	Nos	12.00	302.00	3624.00	302.00	3624.00	329.72	3956.64	317.00	3804.00
24	Supplying and fixing miniature circuit breakers on existing MCB distribution board using necessary fixing materials and 'C' type curve	Nos	12.00	1936.00	23232.00	1936.00	23232.00	2113.72	25364.64	2032.00	24384.00
25	Supplying of TPST with rewirable porcelain channels in SM encloser made out of 14 SWG	Nos	12.00	1800.00	21600.00	1800.00	21600.00	1965.24	23582.88	1889.00	22668.00
26	Supplying and fixing LED type panel board indicating lamp with required colour suitable for 220 V AC 50 HZ 12/24 V DCAs Per Direction	Nos	12.00	430.00	5160.00	430.00	5160.00	469.47	5633.64	451.00	5412.00
27	Suppling fully automatic star delta starter unit push button type with suitable wires 2 conductors and adjustable thermal timer	Nos	12.00	6400.00	76800.00	6400.00	76800.00	6987.52	83850.24	6717.00	80604.00

consumables etc., complete including yield testing at

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28	Supplying and fixing single phase preventer using necessary wires over an existing panel board suitable for motar up to 20 HP	Nos	12.00	745.00	8940.00	745.00	8940.00	813.39	9760.68	782.00	9384.00
29	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade multistrand copper conductor single core wire in open or	Mtrs	240.00	45.00	10800.00	45.00	10800.00	49.13	11791.20	47.00	11280.00
30	Supplying fixing and wiring heavy duty low voltage capacitors conforming to IS 2834 phase 400/440 volts grade, for power factor	Nos	48.00	400.00	19200.00	400.00	19200.00	436.72	20962.56	420.00	20160.00
31	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cotouts and other equipments on the meter board using 40mm	Nos	12.00	2999.70	35996.40	2999.70	35996.40	3275.07	39300.84	3148.00	37776.00
32	Digging of trench of 0.36mtrs deepx0.5 mtrs wide refilling the trench to the required gorund level and consolidating etc. complete As Per	Mtrs	96.00	102.00	9792.00	102.00	9792.00	111.36	10690.56	107.00	10272.00
33	Supplying laying 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner shethed galvanised steel strip	Mtrs	120.00	150.00	18000.00	150.00	18000.00	163.77	19652.40	157.00	18840.00
34	Labour charge for laying 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/ on wall / on poles as required in existing	Nos	300.00	11.88	3564.00	11.88	3564.00	12.97	3891.00	12.00	3600.00
35	Supplying and fixing class-A(medium duty) GI pipe wall thickness not less then 3.25mm on pole/wall/drain crossing with necessary	Rmtr	24.00	335.00	8040.00	335.00	8040.00	365.75	8778.00	352.00	8448.00
36	Supplying and fixing LT cast iron pot heads suitable for 1.1KV class UG cable filled with necessary bitumen / insulating compound	Nos	12.00	270.00	3240.00	270.00	3240.00	294.79	3537.48	283.00	3396.00
37	Supplying and fixing porcelain fuse channel with cut out on the existing wooden block and wiring complete 63 ampsAs Per Direction of	Nos	36.00	227.00	8172.00	227.00	8172.00	247.84	8922.24	238.00	8568.00
38	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	401.27	952.94	382386.23	952.94	382386.23	1040.42	417489.33	1000.00	401270.00
39	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches	Cum	601.91	475.94	286473.05	475.94	286473.05	519.63	312770.49	499.00	300353.09
40	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold	Mtrs	2048.58	457.92	938085.75	457.92	938085.75	499.96	1024208.06	481.00	985366.98
41	Making connection of G.I.distribution branch with G.I.main of 25mm to 40mm. Nominal bore, including cutting and threading the	Each	241.00	511.98	123387.18	511.98	123387.18	558.98	134714.18	537.00	129417.00
42	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water	Mtrs	2651.00	166.42	441179.42	166.42	441179.42	181.70	481686.70	175.00	463925.00
43	Providing and fixing to wall, ceiling and floor Medium density polyethylene pipes 6.00 kgf/sq cm working pressure 25mm outside	Mtrs	8000.00	136.74	1093920.00	136.74	1093920.00	149.29	1194320.00	144.00	1152000.00

consumables etc., comple...
the final depth with a minimum working of compressor
for one hour .(excluding cost of casing pipes, collars,
cap ect.) 50 to 100 m

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44	Refilling available around earth pipe lines,cables in layers mot exceeding 20cms in depth, compacting each deposited layer by	Cum	421.34	128.26	54041.07	128.26	54041.07	140.03	59000.24	135.00	56880.90
45	Loading and unloading of stone boulder/stone aggregates/sand/kanker/ moorum. KSRRB M100-1:Placing tipper at loading point, loading	Cum	581.84	97.96	56997.05	97.96	56997.05	106.95	62227.79	103.00	59929.52
46	Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 50mm nominal bore including	Each	12.00	1843.34	22120.08	1843.34	22120.08	2012.56	24150.72	1935.00	23220.00
47	: Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM	Each	491.00	149.46	73384.86	149.46	73384.86	163.18	80121.38	157.00	77087.00
48	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded	Cum	300.95	5408.12	1627573.71	5408.12	1627573.71	5904.59	1776986.36	5676.00	1708192.20
49	Supplying water storage tanks made of virgin polymer (LLDPE) with two layers outer Black or Blue and inner White layer of approved quality	Ltr	250000.00	5.49	1372500.00	5.49	1372500.00	5.99	1497500.00	5.90	1475000.00
50	Supplying, installation, testing and commissioning of solar hot water heater comprising of solar Flat Plate Collector (FPC)	Nos	250.00	48600.00	12150000.00	48600.00	12150000.00	53061.48	13265370.00	51006.00	12751500.00
51	Dismantling of cement concrete pavement by mechanical means using neumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	1376.79	952.94	1311998.26	952.94	1311998.26	1040.42	1432439.85	1000.00	1376790.00
52	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an	Cum	1388.97	137.80	191400.07	137.80	191400.07	150.45	208970.54	145.00	201400.65
53	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including	Mtrs	679.32	2023.54	1374631.19	2023.54	1374631.19	2209.30	1500821.68	2124.00	1442875.68
54	Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and	Cum	66.44	4479.56	297621.97	4479.56	297621.97	4890.78	324943.42	4701.00	312334.44
55	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement	Mtrs	125.60	1119.36	140591.62	1119.36	140591.62	1222.12	153498.27	1175.00	147580.00
56	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom, 1.67 m deep and 0.56m dia at top with table moulded	Nos	80.00	25741.04	2059283.20	25741.04	2059283.20	28104.07	2248325.60	27015.00	2161200.00
57	Constructing brick masonry inspection chamber for single pipeline, using table	Nos	180.00	5618.00	1011240.00	5618.00	1011240.00	6133.73	1104071.40	5896.00	1061280.00
58	Making connection of drain or sewer line of size 230 to 300 mm external dia with existing manhole including breaking into and making	Nos	120.00	3697.28	443673.60	3697.28	443673.60	4036.69	484402.80	3880.00	465600.00
59	Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size	Nos	80.00	292.56	23404.80	292.56	23404.80	319.42	25553.60	307.00	24560.00

the final depth with a minimum working
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cap ect.) 50 to 100 m

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60	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and	Mtrs	750.00	460.04	345030.00	460.04	345030.00	502.27	376702.50	483.00	362250.00
61	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited	Cum	833.38	128.26	106889.32	128.26	106889.32	140.03	116698.20	135.00	112506.30
62	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading	Cum	1932.38	97.96	189295.94	97.96	189295.94	106.95	206668.04	103.00	199035.14
63	Providing, laying, spreading and compacting specified graded sand, gravel or any other course material 60% and crushed stone	Cum	697.85	1322.88	923171.81	1322.88	923171.81	1444.32	1007918.71	1388.00	968615.80
64	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an	Cum	10472.17	137.80	1443065.03	137.80	1443065.03	150.45	1575537.98	145.00	1518464.65
65	Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including	Sqm	6433.94	6.36	40919.86	6.36	40919.86	6.94	44651.54	6.90	44394.19
66	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	965.09	1994.92	1925277.34	1994.92	1925277.34	2178.05	2102014.27	2094.00	2020898.46
67	Construction of dry lean cement concrete mix CC1:5:10 with OPC cement @160Kgs, with 25mm and down size graded granite metal	Cum	965.09	3884.90	3749278.14	3884.90	3749278.14	4241.53	4093458.19	4100.00	3956869.00
68	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete	Cum	965.09	5210.96	5029045.39	5210.96	5029045.39	5689.33	5490715.49	5600.00	5404504.00
69	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater	Sqm	6433.94	72.08	463758.40	72.08	463758.40	78.70	506351.08	76.00	488979.44
70	Plain cement concrete M10 mix with crushed stone aggregate 40mm nominal size mechanically mixed, placed in foundation and	Cum	572.63	4479.56	2565130.44	4479.56	2565130.44	4890.78	2800607.35	4800.00	2748624.00
71	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal	Cum	1355.39	7070.20	9582878.38	7070.20	9582878.38	7719.24	10462580.70	7600.00	10300964.00
72	TMT/MS Bar Reinforcement KSRRB M2200-6. Supplying, fitting and placing TMT bar reinforcement in sub-structure complete as per	Tonne	88.56	72326.98	6405277.35	65046.90	5760553.46	78966.60	6993282.10	75907.00	6722323.92
73	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation,	Sqm	2507.38	2337.00	5859747.06	2337.00	5859747.06	2551.54	6397680.37	2337.00	5859747.06
74	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation,	Sqm	702.00	5418.00	3803436.00	5418.00	3803436.00	5915.37	4152589.74	5418.00	3803436.00
75	SUPPLYING AND FIXING OF LEG PRESS DOUBLE OF SAFE AREA : 2.8MTR X 1.5MTR, CENTER PIPE : 100 NB GI B-CLASS	Nos	2.00	90000.00	180000.00	90000.00	180000.00	98262.00	196524.00	94455.00	188910.00

the final depth with a minimum working
for one hour .(excluding cost of casing pipes, collars,

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76	SUPPLYING AND FIXING OF FUN WALKER DOUBLE OF SAFE AEA : 3MTR X 2MTR, MAIN FRAME : 100 NB GI B-Class Pipe, LEG	Nos	3.00	150000.00	450000.00	150000.00	450000.00	163770.00	491310.00	157425.00	472275.00
77	SUPPLYING AND FIXING OF PENDULUM DOUBLE OF SAFE AEA : 2.5MTR X 1MTR, MAIN FRAME : 100 NB GI B-Class Pipe, LEG	Nos	2.00	90000.00	180000.00	90000.00	180000.00	98262.00	196524.00	94455.00	188910.00
78	SUPPLYING AND FIXING OF SHOULDER PRESS DOUBLE OF SAFE AEA : 4MTR X 2.5MTR OF CENTRE PIPE: 100 NB GI B-	Nos	2.00	180000.00	360000.00	180000.00	360000.00	196524.00	393048.00	188910.00	377820.00
79	SUPPLYING AND FIXING OF CYCLE TWO WAY OF SAFE AEA : 2.5MTR X 1MTR, MAIN FRAME : 100 NB GI B-Class Pipe, ARM	Nos	2.00	105000.00	210000.00	105000.00	210000.00	114639.00	229278.00	110198.00	220396.00
80	SUPPLYING AND FIXING OF TAI CHI SPINNER DOUBLE OF SAFE AEA : 2MTR DIA, MAIN FRAME : 100 NB GI B-Class Pipe,	Nos	3.00	90000.00	270000.00	90000.00	270000.00	98262.00	294786.00	94455.00	283365.00
81	SUPPLYING AND FIXING OF TWISTER THREE WAY OF SAFE AEA : 2.5 MTR DIA, MAIN FRAME : 100 NB GI B-Class Pipe, ARM	Nos	2.00	90000.00	180000.00	90000.00	180000.00	98262.00	196524.00	94455.00	188910.00
82	SUPPLYING AND FIXING OF CHEST PRESS DOUBLE OF SAFE AEA : 4MTR X 2.5MTR OF CENTRE PIPE: 100 NB GI B-Class Pipe,	Nos	1.00	180000.00	180000.00	180000.00	180000.00	196524.00	196524.00	188910.00	188910.00
83	SUPPLYING AND FIXING OF FUN ROVER OF SAFE AEA : 2.5MTR X 1.5MTR, MAIN FRAME : 80 NB GI B-Class Pipe, SEAT	Nos	3.00	62000.00	186000.00	62000.00	186000.00	67691.60	203074.80	65069.00	195207.00
84	SUPPLYING AND FIXING OF FUN RIDER OF SAFE AEA : 2.5MTR X 1.5MTR, MAIN FRAME : 80 NB GI B-Class Pipe, SEAT	Nos	1.00	150000.00	150000.00	150000.00	150000.00	163770.00	163770.00	157425.00	157425.00
85	SUPPLYING AND FIXING OF STEP TRAINER OF SAFE AEA : 3MTR X 1.5MTR, MAIN FRAME : 100 NB GI B-Class Pipe,	Nos	2.00	181500.00	363000.00	181500.00	363000.00	198161.70	396323.40	190484.00	380968.00
86	SUPPLYING AND FIXING OF ROLLING BARREL DOUBLE OF SAFE AEA : 2.8MTR X 1.5MTR OF CENTRE PIPE: 100 NB GI B-	Nos	2.00	144000.00	288000.00	144000.00	288000.00	157219.20	314438.40	151128.00	302256.00
87	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring	Sqm	557.66	1290.00	719381.40	1290.00	719381.40	1408.42	785419.50	1354.00	755071.64
88	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in	Cum	29.40	4871.76	143229.74	4871.76	143229.74	5318.99	156378.31	5113.00	150322.20
89	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite	Cum	19.51	5811.98	113391.73	5811.98	113391.73	6345.52	123801.10	6100.00	119011.00
90	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring	Sqm	857.74	1250.00	1072175.00	1250.00	1072175.00	1364.75	1170600.67	1328.00	1139078.72
91	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm	Nos	130.00	350.00	45500.00	350.00	45500.00	382.13	49673.90	367.00	47710.00

the final depth with a
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92	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH	Mtrs	115.50	910.54	105167.37	910.54	105167.37	994.13	114822.02	956.00	110418.00
93	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in	Mtrs	210.00	432.48	90820.80	432.48	90820.80	472.18	99157.80	454.00	95340.00
94	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts	Sqm	196.00	757.90	148548.40	757.90	148548.40	827.48	162186.08	795.00	155820.00
95	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts,	Cum	18.57	169.56	3148.73	169.56	3148.73	185.13	3437.86	178.00	3305.46
96	KSRB -2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in	Cum	73.30	322.92	23670.04	322.92	23670.04	352.56	25842.65	339.00	24848.70
97	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size	Cum	9.20	5510.16	50693.47	5510.16	50693.47	6015.99	55347.11	5783.00	53203.60
98	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs, with 20mm and	Cum	13.28	6528.60	86699.81	6528.60	86699.81	7127.93	94658.91	6852.00	90994.56
99	Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides & soffits of beams, beam	Sqm	40.30	315.36	12709.01	315.36	12709.01	344.31	13875.69	331.00	13339.30
100	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors,	Sqm	72.00	475.20	34214.40	475.20	34214.40	518.82	37355.04	499.00	35928.00
101	Providing and laying in position reinforced cement cocnrete of design mix M20 with OPC cement @ 27.20 Kgs with 12mm & down sizes	Sqm	3.10	475.20	1473.12	475.20	1473.12	518.82	1608.34	499.00	1546.90
102	Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels of all shapes & sizes, at all elevations & heights.	Sqm	6.20	348.84	2162.81	348.84	2162.81	380.86	2361.33	366.00	2269.20
103	Providing TMT Steel reinforcement for RCC works including straightening, cutting, bending, hooking, placing in position lapping and / or	Tonne	1.56	76643.28	119563.52	68274.60	106508.38	83679.13	130539.44	80437.00	125481.72
104	Providing & Constructing Granite/ trap/basalt size stone Masonary in basement with Cement morter 1:8 edges of stone chistle dressed in	Cum	29.30	5921.64	173504.05	5921.64	173504.05	6465.25	189431.83	6215.00	182099.50
105	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth,	Cum	29.40	217.08	6382.15	217.08	6382.15	237.01	6968.09	228.00	6703.20
106	Providing and constructing Pre cast solid blocks with Compressive strength not less than 35 kg/ sqm with cement morter 1:4 masonary	Sqm	113.50	997.92	113263.92	997.92	113263.92	1089.53	123661.66	1047.00	118834.50
107	Providing & constructing non load bearing walls cemect concrete solid blocks with Compressive strength not less than 35 kg/sqm	Sqm	55.02	875.68	48190.92	875.68	48190.92	956.29	52645.08	919.00	50563.38
	the final depth with a minimum ... for one hour .(excluding cost of casing pipes, collars, cap ect.) 50 to 100 m										

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108	Providing 18mm thick cement plaster in single coat with cement mortor 1:3 to Brick masonary including rounding off corners wherver	Sqm	149.30	298.08	44503.34	298.08	44503.34	325.44	48588.19	313.00	46730.90
109	Providing 18mm thick cement plaster in single coat with cement mortor 1:4, to brick masonry including rounding off corners wherver	Sqm	169.30	281.88	47722.28	281.88	47722.28	307.76	52103.77	296.00	50112.80
110	Providing 12mm thick cement plaster in single coat with cement mortor 1:3, to ceiling including rounding off corners wherver	Sqm	56.00	253.80	14212.80	253.80	14212.80	277.10	15517.60	266.00	14896.00
111	Providing INTEGRAL CRYSTALINE Waterproofing treatment to the sunken portion of toilets. Using Crystalline Slurry of approved	Sqm	69.12	464.40	32099.33	464.40	32099.33	507.03	35045.91	487.00	33661.44
112	Providing and fixing of factorymade 30 mm P.V.C door frame of size 50x47 mm with a wall thickness of 5 mm made out of extrued 5 mm	Sqm	25.83	505.44	13055.52	505.44	13055.52	551.84	14254.03	530.00	13689.90
113	Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19 x	Sqm	23.90	2999.16	71679.92	2999.16	71679.92	3274.48	78260.07	3148.00	75237.20
114	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung fully openable	Sqm	5.10	4209.84	21470.18	4209.84	21470.18	4596.30	23441.13	4418.00	22531.80
115	Providing and fixing in position black cuddapah slab / Shahabad Slab/Thandur blue slab 4 cms thick for roofing laid to line and level over	Sqm	5.40	686.88	3709.15	686.88	3709.15	749.94	4049.68	721.00	3893.40
116	Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick cement	Sqm	57.00	1306.80	74487.60	1306.80	74487.60	1426.76	81325.32	1371.00	78147.00
117	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry	Sqm	85.70	1377.00	118008.90	1377.00	118008.90	1503.41	128842.24	1445.00	123836.50
118	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming	Sqm	84.00	118.80	9979.20	118.80	9979.20	129.71	10895.64	125.00	10500.00
119	Providing and applying two coats with oil bound washable distemper of approved brand and shade on Ceiling surface including priming	Sqm	56.00	127.44	7136.64	127.44	7136.64	139.14	7791.84	134.00	7504.00
120	Water proof cement paint KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer	Sqm	149.30	110.16	16446.89	110.16	16446.89	120.27	17956.31	116.00	17318.80
121	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap,	Each	8.00	1437.48	11499.84	1437.48	11499.84	1569.44	12555.52	1509.00	12072.00
122	Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic	Each	3.00	3317.76	9953.28	3317.76	9953.28	3622.33	10866.99	3482.00	10446.00
123	Providing & fixing CI Nahani trap of approved make confirming to ISI specification and construction of risen in M 15 as per	Each	18.00	270.00	4860.00	270.00	4860.00	294.79	5306.22	283.00	5094.00

consumables etc., complete including ...
the final depth with a minimum working of compressor
for one hour .(excluding cost of casing pipes, collars

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124	Providing and fixing in position CP bib cock of approved quality 20 mm nominal bore including cost of all materials, labour and HOM	Each	20.00	186.84	3736.80	186.84	3736.80	203.99	4079.80	196.00	3920.00
125	Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a single 15mm C.P brass pillar tap with C.I / M.S	Nos	4.00	3262.68	13050.72	3262.68	13050.72	3562.19	14248.76	3424.00	13696.00
126	Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working pressure	Mtrs	20.00	352.08	7041.60	352.08	7041.60	384.40	7688.00	370.00	7400.00
127	Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working pressure	Mtrs	35.00	410.40	14364.00	410.40	14364.00	448.07	15682.45	431.00	15085.00
128	KSRB 13-9 : Providing and fixing to wall, ceiling and floor , Medium density polyethylene pipes 6.00 kgf /sqcm working	Mtrs	45.00	486.00	21870.00	486.00	21870.00	530.61	23877.45	510.00	22950.00
129	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal	Mtrs	45.00	222.48	10011.60	222.48	10011.60	242.90	10930.50	233.00	10485.00
130	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal	Mtrs	35.00	253.80	8883.00	253.80	8883.00	277.10	9698.50	266.00	9310.00
131	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all	Nos	15.00	362.88	5443.20	362.88	5443.20	396.19	5942.85	381.00	5715.00
132	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) NB including cost of all	Each	15.00	484.92	7273.80	484.92	7273.80	529.44	7941.60	509.00	7635.00
133	Polyethylene water storage tank of specified capacity and make	Nos	2000.00	5.08	10160.00	5.08	10160.00	5.55	11100.00	5.00	10000.00
134	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal	Mtrs	25.00	157.68	3942.00	157.68	3942.00	172.16	4304.00	165.00	4125.00
135	Providing and fixing to wall, ceiling and floor chlorinated poly vinyl chloride (CPVC) pipes conforming to IS 15778, having thermal	Mtrs	35.00	193.32	6766.20	193.32	6766.20	211.07	7387.45	203.00	7105.00
136	Providing and fixing to wall, ceiling and floor , high density polyethylene pipes 6.00 kgf /sqcm working pressure 110 mm outside diameter	Mtrs	15.00	253.80	3807.00	253.80	3807.00	277.10	4156.50	266.00	3990.00
137	Providing stone ware gully trap of approved quality and fixing in C C 1:2:4 and plastering with C M 1:3 where ever necessary (Rate	Each	4.00	205.20	820.80	205.20	820.80	224.04	896.16	215.00	860.00
138	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline,	Nos	8.00	9169.20	73353.60	9169.20	73353.60	10010.93	80087.44	9632.00	77056.00

consumables etc., complete including yield
the final depth with a minimum working of compressor
for one hour ,(excluding

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139	Supplying, installation, testing and commissioning of solar hot water heater comprising of solar Flat Plate Collector (FPC)	Each	2.00	60000.00	120000.00	60000.00	120000.00	65508.00	131016.00	61700.00	123400.00
	Total Summary Amount				**83156164.02**		**82498384.99**		**90788892.82**		**87305656.00**
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								**9.18**		**4.99**
	% when compared to PWD SR 2018-19 and Issue rates dated 01.07.2020								**10.05**		**5.83**

Executive Engineer
Rajarajeshwari nagar Division
BBMP

consumables etc., complete including yield ...
the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 50 to 100 m

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